
EVALUATING THE DEPENDENCE OF ISOMERIC RATIOS ON SOME PARAMETERS OF NUCLEAR REACTIONS

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The dependence of isomeric ratios of nuclear reactions on some parameters such as on the incident particle energy and/or the difference of mass number (A) of the target nuclear and of the product nuclear,...are evaluated via the data from many experiment published. In addition, the experimental isomeric cross section ratios of $^{47}\text{Ti}(\gamma, p2n)^{44}\text{Sc}$ and $\text{Y}(\gamma, xn)$ reactions at the bremsstrahlung end-point energy of 65 MeV at Pohang Accelerator (Korea) are presented and are compared with those obtained by a statistical model calculation.